

ABSTRACT

A tandem axle system has a first brake axle and at least a second brake axle. The first axle has a first brake actuating chamber with a first diaphragm and the second axle has a second brake actuating chamber with a second diaphragm. The first axle also has a first brake actuating arm and the second axle has a second brake actuating arm. The size of the second diaphragm can be reduced as compared to the first diaphragm and/or the length of the second brake actuating arm can be reduced as compared to the first brake actuating arm to reduce the braking force applied to the second axle.